

## **DIRECT CONVERSION DELTA-SIGMA RECEIVER**

### **ABSTRACT OF THE DISCLOSURE**

- 5        A wireless receiver receives a wireless signal by inverting the polarity of an incoming waveform on every one half clock cycle of a conversion clock to produce and convert a commutated waveform to a series of representative digital values using a delta-sigma modulator clocked by the conversion clock. In this way, the receiver operates over a large dynamic range and the use of automatic gain control in the front end may be eliminated.